

User Manual

Product: P18C

Item	Content
Model No.	P18C
FCC ID	【FCC ID】
Version	V1.00

1. Product Overview

The product is a rechargeable active capacitive stylus with a built-in microphone and a Bluetooth Low Energy (BLE) transceiver. It is used to write and draw on iPad (iPadOS) capacitive touch screens and to record voice, for example in meetings and lectures.

The pen connects to the APP on the iPad over Bluetooth Low Energy (2.4 GHz, BLE only). Recordings are uploaded by the APP to a cloud service and returned as text transcription, translation, summary and mind map. The pen itself has no Internet connection; its 2.4 GHz radio is used only for the Bluetooth communication between the pen and the iPad.

Main functions:

- Writing and drawing on iPad
- Voice recording with the built-in microphone (double click the key to start / stop)
- Long press the key for about 2 seconds to switch the pen on / off
- Automatic power off after 5 minutes without operation (not during recording)
- Bluetooth Low Energy link to the APP for writing data, control commands and audio files
- APP functions: transcription, translation, summary, mind map

2. Keys and LED Indicator

Position	Name	Function
Nib	Capacitive nib (electrode)	Writes on the touch screen
Barrel	LED indicator	Power, recording, charging and low battery status (does not indicate the Bluetooth connection state)
Barrel	Power / Record key	Long press about 2 s: power on / off; double click: start / stop recording
Tail	Charging area	Charging (the pen switches on automatically while charging)

3. Charging

1. Charge the pen with the supplied USB Type-C charging cable (wired charging only).
2. The red LED is steady on while charging; when charging is completed, the red LED turns off and the blue LED is steady on.
3. Charging switches the pen on automatically: even if the pen was switched off, it switches on when the charger is connected, and it stays switched on after the charger is removed.
4. The pen cannot be switched off while charging: a long press of the key is ignored and the pen does not power off automatically, so that the charging indication remains visible. To switch the pen off, remove the charger first and then press and hold the key for about 2 seconds.
5. Charging takes about **20 minutes** (fast charging); a full charge provides about **【8】** hours of use.
6. If the pen is not used for a long time, charge it at least once every **【3】** months.

4. Power On / Off and Pairing

1. Press and hold the key for about 2 seconds to switch the pen on or off. When switched on, the blue LED is steady on; when switched off, all LEDs are off.
2. Pairing: open the APP on the iPad and turn Bluetooth on, then select the Bluetooth name of the pen in the device list of the APP.

3. The LED does not indicate the Bluetooth connection state; check the connection status in the APP.
4. Automatic power off: the pen switches off after 5 minutes without any operation and without movement, whether or not it is connected to the iPad by Bluetooth. While the pen is being used (movement / vibration detected) it remains switched on, and any operation restarts the timer. The pen does not switch off automatically during recording or while charging.

5. How to Use

Function	Operation
Writing / drawing	Switch the pen on, then write or draw on the iPad screen
Start recording	Double click the key; the blue LED starts blinking = recording. The pen must be connected in the APP first; a double click has no effect while the pen is not connected
Stop recording	Double click the key again; the recording is saved and transferred to the APP
Transcription / translation / summary / mind map	Open the APP, select the recording in the list and choose the function
Playback volume	Adjust the volume in the APP

6. LED Indication

LED status	Meaning
Blue steady on	The pen is switched on and not recording (does not indicate whether Bluetooth is connected)
Blue blinking	Recording is in progress
Red steady on	Charging
Red off, blue steady on	Fully charged
Red blinking	Low battery, please charge the pen
All LEDs off	The pen is switched off

7. Specifications

Item	Value
Model	P18C
Compatible device	iPad (iPadOS)
Main control chip	BT8912E (QFN32)
Wireless technology	Bluetooth Low Energy (BLE), 2.4 GHz
Frequency range	2402 – 2480 MHz
Modulation	GFSK
Data rate	1 Mbps / 2 Mbps
Maximum RF output power	≤ 11 dBm
Antenna	Internal ceramic chip antenna (2012 package), peak gain 0.21 dBi
Microphone	Built-in microphone
Battery	3.7 V / 125 mAh lithium battery, built-in
Charging	USB Type-C, wired charging only
Charging input	Type-C, 5 V
Operating temperature	【0 °C to +40 °C】
Dimensions / Weight	【xxx × xx × xx mm】 / 【xx g】

8. Troubleshooting

Problem	Solution
The pen does not write	Make sure the pen is switched on (blue LED steady on) and that the nib is not damaged. This product is designed for iPad
The APP cannot find the pen	Make sure the pen is switched on (blue LED steady on) and within 10 m of the iPad and that Bluetooth is on, then restart the APP
Cannot connect	In iPad Settings → Bluetooth, ignore the device if it is listed, then search again in the APP
Double click has no effect (recording does not start)	The pen must be connected in the APP first; recording is not available while the pen is not connected
The pen cannot be switched off	The pen cannot be switched off while it is charging. Remove the charger first, then press and hold the key for about 2 seconds
The pen switches off by itself	The pen switches off automatically after 5 minutes without operation and without movement; while it is being used it stays on. It does not switch off during recording or while charging
The pen is on although the key was not pressed	The pen switches on automatically when the charger is connected and remains on after the charger is removed
The red LED is blinking	Low battery, please charge the pen
Recording is too short / not saved	Double click the key to start recording, record for at least 【2】 seconds, then double click the key again to stop
No sound in the recording	Check that the microphone hole is not blocked and that the speaker is within 1 m
Cannot charge	Use the supplied charger, clean the charging contacts and place the pen correctly

9. Safety and Care

- Do not disassemble, crush, heat or puncture the built-in battery.
- Do not use the pen in a wet environment; keep the charging contacts free of water and dust.
- Use only the supplied charger or a charger with the same rated output.
- Keep the device away from strong magnetic fields and from high temperatures.
- This product is not a toy; keep it away from children under 3 years old.

10. FCC Statement

FCC ID: **【FCC ID】**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.